

Serial No.: 09/340218
Electromagnetic Field Communications System, etc.
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Ex. West, Lewis G.
Art Unit: 2682
Att. Ref. 60607.300101

AMENDMENTS

Please amend the claims as follows:

Please amend claims 14 and 15 as follows and add new claims 16-19, as shown [Claims 14-16 and 18-19 (with 18-19 being numbered 17-18) were submitted in a Response to Office Action (final) submitted 09 April 2004, but were not entered]. The below claims replace the set previously submitted. Claims 1-13 have previously been canceled and are no longer pending.

In the Claims

1. - 13. (canceled)

1 14. (currently amended) An electromagnetic field communications system,
2 suitable for use with wireless communication devices, comprising:

3
4 a structure including an electrically conductive grid array having a grid
5 opening size; and

6 means for generating a quasi-static non-propagating electromagnetic field
7 within said structure by feeding a frequency signal into said electrically
8 conductive grid array;

9 wherein the frequency of said frequency signal is selected such that the
10 dimension of said grid opening size is small relative to the wavelength of said
11 frequency signal.

1
1 15. (currently amended) The electromagnetic field communications system of
2 claim 14, wherein

3
4 the frequency of said frequency signal is selected such that the
5 wavelength is greater than twice the dimension of said grid opening size.

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1 16. (new) The electromagnetic field communications system of claim 14 wherein
2 said frequency signal is in the range of 3 to 400 Megahertz.

1
2 17. (new) The electromagnetic field communications system of claim 14 wherein
3 said wireless communication devices are selected from the group including
4 computer hardware and computer networking components, cellular telephones,
5 radios, and televisions.

6
7
1 18. (new) An electromagnetic field system, comprising:

2
3 a structure including an electrically conducting grid array having a grid
4 opening size;

5
6 an electromagnetic field generator for generating an quasi-static
7 electromagnetic field within said structure by feeding a frequency signal in the
8 range of 3 to 400 Megahertz into said electrically conductive grid array; and
9

10 wherein said grid opening size is small relative to the wavelength of said
11 frequency signal.

1 19. (new) The electromagnetic field system of claim 18 wherein:

2
3 the dimension of said grid opening size is less than one half the wavelength
4 of said frequency signal.
